



### Architectural Specification

The mFlex MQL is a full range three way bi-amplified enclosure suitable for main front of house applications within auditoriums, church, theatre and live performance. The cabinet is equally suited to mobile use or fixed installation.

The cabinet houses a 15" bass unit with an 88 mm aluminium voice coil and neodymium magnet structure which is actively powered. This is combined with a horn loaded 8" neodymium closed basket mid-range unit operating over the 300 Hz to 2.5 kHz pass band. Mid-band directivity is 80° h x 60° v. HF energy above 2.5 kHz comes from a 1" exit compression driver, mounted on an 80° x 60° constant directivity horn. The midrange and HF elements are passively combined with a low insertion pad free passive network working in hybrid mode with a system amplifier from the eFlex range. The enclosure is trapezoid with 10° side panel angles.

The enclosure is manufactured from 18 mm birch plywood and coated in a heavy duty polyurea finish. The cabinet front has a protective steel grill coated in a water resistant powder coat finish which has an acoustically transparent filter medium bonded to its back surface. To aid installation the enclosure incorporates eleven M10 insert points which are internally steel braced. Each cabinet also has a top rear pocket handle and two side panel steel bar handles. The rear of the cabinet has bolt holes for optional castors and a padded transit cover is available to aid protection during transit.

Electrical connection to the cabinet is via two parallel linked Neutrik NL4 MP connectors. All Inspired Audio products are designed as an integrated solution complete with system amplifier options from the eFlex range. The eFlex units provide DSP preset functions, networked software control of operating parameters and output drive power. A pair of output channels from an eFlex Q5 or eFlex Q20 system amplifier will drive two enclosures.

The reFlex speaker range includes complimentary bass options which can be combined with the mFlex MQL to form a fully integrated system solution.



## mFlex MQL

<b>Bass - Twin chamber:</b>	1 off 15" cone driver
<b>Mid-range - Horn loaded:</b>	1 off 8" cone driver
<b>HF - CD Flare:</b>	1" exit compression driver
<b>Frequency response:</b>	45 Hz - 20 kHz
<b>Sensitivity - Bass (Peak):</b>	99 dB (133 dB)
<b>Mid-range (Peak):</b>	107 dB (137 dB)
<b>HF (Peak):</b>	109 dB (132 dB)
<b>Power (RMS/Peak) - Bass:</b>	600 w/2800 w
<b>Mid-range:</b>	250 w/1000 w
<b>HF:</b>	50 w/200 w
<b>Impedance - Bass:</b>	4 ohms
<b>Mid-range:</b>	8 ohms
<b>HF:</b>	8 ohms
<b>Directivity - Bass:</b>	Omni-directional
<b>Mid-range:</b>	80° h x 60° v
<b>HF:</b>	80° h x 60° v
<b>Operation mode:</b>	Bi-amplified
<b>Connection:</b>	2 off Neutrik NL4 MP linked
<b>Wiring protocol (Bi-amp):</b>	1+/1- = Bass 2+/2- = Passive mid/HF
<b>Weight (Packaged):</b>	37 kg (39.4 kg)
<b>Dimensions (mm):</b>	507 w x 865 h x 425 d
<b>Packaged (mm):</b>	550 w x 910 h x 475 d

### Options:

- Rear panel mounted castor pack
- Padded transit cover

(Peak SPL measurements are taken with a crest factor x4)

Inspired Audio products are designed and manufactured in England. For technical support:

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